

IN THE CLAIMS

1. (Original) A nonaqueous electrolyte secondary battery comprising a safety valve arranged on one end of a cylindrical outer packaging can holding an electrode element therein, the safety valve comprising a projecting portion projecting toward the electrode element and connected to a lead of the electrode element at the center of the safety valve, wherein:

a plurality of linear thin portions are formed almost along at least two circumferences centering on the projecting portion;

a small circle having a small diameter and a circle having a large diameter circle exist;

a plurality of linear thin portions along the large diameter circle and a plurality of linear thin portions along the small diameter circle are formed almost equal portion to each other centering on the projection portion; and

a thin portion extending in a radial direction is formed across end portions of the linear thin portions adjacent to each other.

2. (Original) A nonaqueous electrolyte secondary battery according to claim 1, wherein said safety valve comprises the lengths of the plurality of linear thin portions along the same circumference being almost equal to each other.

3. Canceled.

4. (Original) A nonaqueous electrolyte secondary battery according to claim 1, wherein said safety valve comprises at least a disk and a safety valve arranged on one end side of a cylindrical outer packaging can holding an electrode element therein, the disk has a central

hole, the safety valve has a projecting portion projecting toward the electrode element at the central portion of the safety valve, and the projecting portion is connected to a lead of the electrode element through the central hole of the disk, being characterized in that the disk has a linear thin portion.

5. (Original) A nonaqueous electrolyte secondary battery according to claim 1, wherein said safety valve is welded on a sub-disk welded on a free end of the positive electrode lead.

6. (Original) A nonaqueous electrolyte secondary battery characterized by comprising the safety valve according to claim 1, wherein said battery comprises a material which can dope and undope lithium as the positive electrode and negative electrode active materials, and a nonaqueous electrolyte.

7. (Original) A nonaqueous electrolyte secondary battery according to claim 5, characterized by comprising an electrode member constituted by laminating the positive electrode and the negative electrode across a separator and wound in the shape of a spirally coiled electrode.

8. (Original) A nonaqueous electrolyte secondary battery comprising the safety valve according to claim 2, wherein said battery comprises a material which can dope and undope lithium as the positive electrode and negative electrode active materials, and a nonaqueous electrolyte.

9. (Original) A nonaqueous electrolyte secondary battery according to claim 8, characterized by comprising an electrode member constituted by laminating the positive electrode and the negative electrode through a separator and wound in the shape of a spirally coiled electrode.

10. (Previously Presented) A nonaqueous electrolyte secondary battery comprising the safety valve according to claim 4, wherein said battery comprises a material which can dope and undope lithium as the positive electrode and negative electrode active materials, and a nonaqueous electrolyte.

11. (Original) A nonaqueous electrolyte secondary battery according to claim 10, wherein said battery comprises an electrode member constituted by laminating the positive electrode and the negative electrode across a separator and wound in the shape of a spirally coiled electrode.

12. (Original) A nonaqueous electrolyte secondary battery comprising the safety valve according to claim 4, wherein said battery comprises a material which can dope and undope lithium as the positive electrode and negative electrode active materials, and a nonaqueous electrolyte.

13. (Original) A nonaqueous electrolyte secondary battery according to claim 12, characterized by comprising an electrode member constituted by laminating the positive

electrode and the negative electrode across a separator and wound in the shape of a spirally coiled electrode.

14. (Currently Amended) A safety valve for a battery, wherein at least a disk and a the safety valve are arranged on one end side of a cylindrical outer packaging can holding an electrode element therein, wherein the disk has a central hole, and wherein a plurality of peripheral holes are located along a circle centering on a symmetrical point of the central hole, ~~and~~ the safety valve ~~has~~ comprises:

a projecting portion projecting toward the electrode element at the central portion of the safety valve, ~~and-wherein~~ the projecting portion is connected to a lead of the electrode element through the central hole of the disk, ~~characterized in that~~ wherein the disk has a linear thin portion, and wherein the safety valve has a plurality of linear thin portions formed almost along at least two circumferences centering on the projection portion; and

a small circle having a small diameter and a circle having a large diameter, wherein a plurality of linear thin portions formed along the large diameter circle and a plurality of linear thin portions formed along the small diameter circle are formed almost equal to each other and centering on the projection portion.

15. (Original) A safety valve according to claim 14, wherein said thin portion is almost along a circle centering on a symmetrical point of the central hole.

16. (Original) A nonaqueous electrolyte secondary battery comprising said safety valve according to claim 14, wherein said battery comprises material which can dope and undope

lithium as the positive electrode and negative electrode active materials, and a nonaqueous electrolyte.

17. (Original) A nonaqueous electrolyte secondary battery according to claim 16, wherein said battery comprising an electrode member constituted by laminating the positive electrode and the negative electrode across a separator and wound in the shape of a spirally coiled electrode.

18. (Original) A nonaqueous electrolyte secondary battery characterized by comprising the safety valve according to claim 14, wherein said battery comprises a material which can dope and undope lithium as the positive electrode and negative electrode active materials, and a nonaqueous electrolyte.

19. (Cancelled)